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(12) **United States Patent**  
**Uekita**

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(54) **MACHINE TOOL**

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See application file for complete search history.

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(57) **ABSTRACT**

The machine tool **1** for machining a hole **3a** of a desired size in a workpiece **3**, includes: a main shaft **30** holding a tool **2**; a spindle unit **40** including a spindle **41** which holds the shaft **30** rotatably on the axis *r* of rotation, and a housing **42** which covers the periphery of the spindle **41**; a drive unit **50** for holding the unit **40** tiltably with respect to the workpiece **3** held by a holder **20**, and for moving the unit **40** relative to the workpiece **3**; a mount **70** extending from the housing **42** toward the periphery of the shaft **30**; and a control section **90** which, based on the results of measurement by distance measurement sensors **82** held by the mount **70**, controls the unit **50** so as to correct the inclination of the shaft **30** with respect to the workpiece **3**.

(52) **U.S. Cl.**

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